Sat 6 21182 599

INDEX.

					*
A	1	Railroads,	Baltimore and	Sus-	
Address to companies,	380		quehanna,	291	
Alger's Mineralogy,	333	23	Bear Mountain,	171, 251	
American railroad iron,	319	66	Boston, 345, 346	6, 347, 348	
Aqueduct, suspension,	276	44	Central, Ga.,	267	
Atmospheric railways, 26, 213,	214,	66	Columbia,	20	177
[225,		66	Erie, 150	0, 156, 369	175
В		66	Georgia,	246, 273	
Baldwin & Whitney's engines,	93	66	Harlem,	349	
Breakwater, Delaware,	250	66	Harrisburg and	Lan-	
Bridges,	8, 42		caster,	340	
C	,	66	Housatonic,	270	
Canals, Canadian, 196, 281, 283,	288.	66	Indiana,	120	
	[330	- 66	Long Island,	287	
" Chesapeake and Ohio,	308	66	Massachusetts,	139	
" cost of transportation on,	00	- 66	Michigan,	271	
" failure of,	143	66		6, 321, 337	
iditale of			Norwich and V		
Donay Min,	180			288	
Ship,	313	66	Cester,		
and lativays,			Reading, 81, 28		
Coal trade,	112	Kanroad,	administration,	208 277	
E	155		bill,		100
Engineers, eulogium on,	155		new route to Bo		
institute of,	106		and canals,	313	
pocket book,	95	1.0	convention,	319	
Engine, enormous,	127	1	dividends,	25	
" rotary,	207		failure of,	46	
" tubes of,	192	1	in France,	176	0
Engineering, extraordinary,	313	1	Herapath's Mag	gazine, 286	
	, 342		Journal,	353	
" papers, U. S.,	293	1	rates of fare and		
" remarks on,	193			1, 221, 287	
Embankment,	325		receipts,	187	
Excavation,	325	1	reports,	32	
		"	wooden,	337	
Items, 51, 96, 128, 187, 220,	223,	66	iron, duty on,	174	
[255, 351]	, 379	66	" wear of,	10, 22, 23,	
10 March 10 10 10 10 10 10 10 10 10 10 10 10 10				[34, 129]	
Joinville's pamphlet,	284		ropes, wire,	254	
Journal, Railroad,	353		S	Co.	
L		Spark arr		178	
Liverpool, works at,	323	Steamer i	ron,	249	
. M			n aqueduct,	276	
Mineralogy, Alger's,	333		T	1 8	
P		Table, sta	atistical,	19	
Patents, English,	191		vation and embar	akment,	
Periodicals, foreign,	190	46, 52	, 65, 161, 169, 19	7, 297, 377	100
Plank roads,	272		tation, on canals,		17.34
Propeller, screw,	175		railroads,		1 5 9
" vertical submerged,	334	. 1	[109, 130, 14		
R		1 3	W	, , , , , ,	
Railroads, Baltimore and Ohio,	12	Wire ror	es,	254	
[310, 342, 351				337	
Ø 4 (020) 000	,		,		